

Azurocidin

Catalog No: #AP79015

Package Size: #AP79015-1 50ug #AP79015-2 100ug #AP79015-3 1mg

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Azurocidin
Brief Description	Recombinant Protein
Host Species	Mammalian Cell
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Type	Recombinant Protein
Other Names	Cationic antimicrobial protein CAP37,Heparin-binding protein,HBP
Accession No.	P20160Gene name:AZU1
Uniprot	P20160
GenelD	566;
Tag Info	His
Target Sequence	IVGGRKARPRQFPFLASIQNQGRHFCGGALIHARFVMTAASCFQSQNPQGVSTVVLGAYDLRRRERQSRQTFSSMSSENGYDPQQNLNDLMLLQLDREANLTSSVTILPLPLQNAVVEAGTRCQVAGWGSQRSGGRLSRFPRFVNVTVPEDQCRPNNVCTGVLTRRGICNGDGGTPLVCEGLAHGVASFSLGPCGRGPDFFFTRVALFRDWIDGVLNNPGP
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

This is a neutrophil granule-derived antibacterial and monocyte- and fibroblast-specific chemotactic glycoprotein. Binds heparin. The cytotoxic action is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope. It may play a role in mediating recruitment of monocytes in the second wave of inflammation. Has antibacterial activity against the Gram-negative bacterium *P.aeruginosa*, this activity is inhibited by LPS from *P.aeruginosa*. Acting alone, it does not have antimicrobial activity against the Gram-negative bacteria *A.actinomycetemcomitans* ATCC 29532, *A.actinomycetemcomitans* NCTC 9709, *A.actinomycetemcomitans* FDC-Y4, *H.aphrophilus* ATCC 13252, *E.corrodens* ATCC 23834, *C.sputigena* ATCC 33123, *Capnocytophaga* sp ATCC 33124, *Capnocytophaga* sp ATCC 27872 or *E.coli* ML-35. Has antibacterial activity against *C.sputigena* ATCC 33123 when acting synergistically with either elastase or cathepsin G.

References

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Note: This product is for in vitro research use only